

Claims

1. An airbag apparatus, with an airbag module and at least one covering device, behind which, in a closing position, an
5 airbag expanding by gas inflation is accommodated and which, to release the expansion of the airbag, can be moved out of the closing position into an open position by means of a mechanism, characterized in that the mechanism (M) contains a first mechanism component (M1), which is coupled firmly to the
10 airbag module (B), and a second mechanism component (M2), which is coupled firmly to the covering device (K), and in that the airbag module (B) forms, together with the first mechanism component (M1), a unit ready for installation.
- 15 2. The airbag apparatus according to claim 1, characterized in that, during mounting and demounting, the first mechanism component (M1) and the second mechanism component (M2), in principle, do not touch one another and are coupled to one another only in a crash.
- 20 3. The airbag apparatus according to claim 1 or 2, characterized in that traction elements, traction ropes (1) or traction bands (16) are mounted, as integral parts of the second mechanism component (M2), on or within a reinforcing
25 box (4) which supports an orifice (O) for the emergence of the airbag in an instrument panel (V).
- 30 4. The airbag apparatus according to claim 3, characterized in that the traction elements, as integral parts of the second mechanism component (M2), are combined in a hook (5) positioned in relation to at least one driving bolt (10, 15, 19, 22, 27) as an integral part of the first mechanism component (M1), in turn as integral parts of the second mechanism component (M2).

5. The airbag apparatus according to one of the preceding claims, characterized in that the second mechanism component (M2) of the coupling mechanism (M) and coverings thereof are
5 led through pockets (13), which are integrated in an extruded profile of the airbag housing (G), and, on the opposite side, through putaways of the reinforcing box (4).

6. The airbag apparatus according to claim 5, characterized
10 in that a rope loop or traction band loop (17) and correspondingly shaped or bent driving bolts (15) are provided.

7. The airbag apparatus according to one of the preceding
15 claims, characterized by at least one embodiment illustrated in the figures.

8. A mounting method for an airbag apparatus according to one of the preceding claims, characterized in that the mechanism
20 (M) contains a first mechanism component (M1) which is coupled firmly to the airbag module (B), so that the airbag module (B) forms, together with the first mechanism component (M1), a unit ready for installation, and contains a second mechanism component (M2) which is coupled firmly to the covering device
25 (K), and in that, during or after the installation of the airbag apparatus (A) behind a vehicle interior trim panel, the first mechanism component (M1) is brought into an active position with respect to the second mechanism component (M2).

30 9. The mounting method according to claim 8, characterized in that, during or after the installation of the airbag apparatus (A) behind a vehicle interior trim panel, the first mechanism component (M1) and the second mechanism component (M2) are coupled to one another.

10. An operating method for an airbag apparatus according to one of claims 1 to 7, characterized in that the first mechanism component (M1) and the second mechanism component
5 (M2) are coupled actively to one another only by means of a release of the airbag apparatus.